

## Phase II Environmental Site Assessment of Former Wastewater Treatment Plant

Phase II Environmental Site Assessment  
(Phase II ESA)



ERM provided environmental consulting services to establish composition of wastewater sediments and condition of soil quality at a former industrial wastewater treatment plant (WWTP) of a company involved in manufacturing of synthetic fibers located in central Poland.

The WWTP was developed with four wastewater reservoirs/lagoons, at the time of Phase II ESA filled with wastewater sediments and industrial waste of several-meter thickness and unknown chemical composition.



### ERM Services provided

- Soil borings and collection of samples of sediments and underlying soils
- Health, Safety and Environmental supervision
- On-site coordination and documenting of drilling works & logistics
- Cost and quality control of contractor works
- Evaluation of analytical results
- Measurement and calculation of sediment volumes and masses
- Remediation cost estimates for various waste (sediment) disposal scenarios



### At a Glance...

Client:	confidential (Real Estate sector)
Project Budget:	confidential
Duration:	February - March 2017

### Key challenges

- Complex inventory of anticipated contaminants, including rare contaminants
- Works performed in hazardous conditions
- Wastewater lagoons filled with material of unknown origin, chemical composition, and stability
- Difficult access for drilling equipment due to the several-meter height of the lagoons